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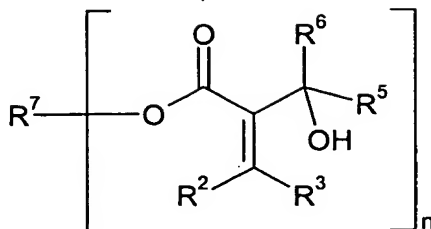
AP3 Rec'd PCT/PTO 06 JUN 2008

THE FOLLOWING ARE THE ENGLISH TRANSLATION
OF ANNEXES TO THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT (ARTICLE 34):

Amended Sheets (Pages 30-32a)

Claims

1. A compound of the formula (V),



(V)

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in which

10 R^2 and R^3 independently of one another are C_1 - C_{18} alkyl, C_2 - C_{18} alkyl if appropriate interrupted by one or more oxygen and/or sulfur atoms and/or one or more substituted or unsubstituted imino groups, C_2 - C_{18} alkenyl, C_6 - C_{12} aryl, C_5 - C_{12} cycloalkyl or a five- to six-membered oxygen-, nitrogen- and/or sulfur-containing heterocycle, it being possible for each of the stated radicals to be substituted by aryl, alkyl, aryloxy, alkyloxy, heteroatoms and/or heterocycles,

15 R^2 and/or R^3 are/is additionally hydrogen, C_1 - C_{18} alkoxy optionally substituted by aryl, alkyl, aryloxy, alkyloxy, heteroatoms and/or heterocycles, or $-COOR^4$,

20 R^2 may additionally together with R^1 form a ring, in which case R^2 can be a carbonyl group, so that the group $COOR^1$ and R^2 together form an acid anhydride group $-(CO)-O-(CO)-$,

25 R^4 is C_1 - C_{18} alkyl, C_2 - C_{18} alkyl if appropriate interrupted by one or more oxygen and/or sulfur atoms and/or one or more substituted or unsubstituted imino groups, C_2 - C_{18} alkenyl, C_6 - C_{12} aryl, C_5 - C_{12} cycloalkyl or a five- to six-membered oxygen-, nitrogen- and/or sulfur-containing heterocycle, it being possible for each of the stated radicals to be substituted by aryl, alkyl, aryloxy, alkyloxy, heteroatoms and/or heterocycles,

30 R^5 and R^6 independently of one another are hydrogen, C_1 - C_{18} alkyl, C_2 - C_{18} alkyl if appropriate interrupted by one or more oxygen and/or sulfur atoms and/or one or more substituted or unsubstituted imino groups, C_2 - C_{18} alkenyl, C_6 - C_{12} aryl, C_5 - C_{12} cycloalkyl or a five- to six-membered oxygen-, nitrogen- and/or sulfur-containing heterocycle, it being possible for each of the stated radicals to be substituted by aryl, alkyl, aryloxy, alkyloxy, heteroatoms and/or heterocycles, or

may together form a ring,

n is a positive integer from 3 to 10, and

5 R^7 is an n-valent organic radical having 1 to 50 carbon atoms which can be unsubstituted or substituted by halogen, C_1-C_8 alkyl, C_2-C_8 alkenyl, carboxyl, carboxy- C_1-C_8 alkyl, C_1-C_{20} acyl, C_1-C_8 alkoxy, C_6-C_{12} aryl, hydroxyl or hydroxy-substituted C_1-C_8 alkyl and/or can contain one or more $-(CO)-$, $-O(CO)O-$, $-(NH)(CO)O-$, $-O(CO)(NH)-$, $-O(CO)-$ or $-(CO)O-$ groups.

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2. The compound according to claim 1, wherein n is 3 or 4 and

R^7 is derived from an n-hydric alcohol by removing n hydroxyl groups,

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the n-hydric alcohol being trimethylolpropane, pentaerythritol or a singly to vigintuply ethoxylated trimethylolpropane.

3. A coating composition comprising

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- at least one compound of the formula (V) as defined in claim 1, or of the formula (VII) as defined in claim 10, and
- at least one photoinitiator (P).

4. The coating composition according to claim 3, further comprising

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- at least one reactive diluent and/or
- at least one polyfunctional polymerizable compound.

5. The coating composition according to claim 3 or 4, further comprising

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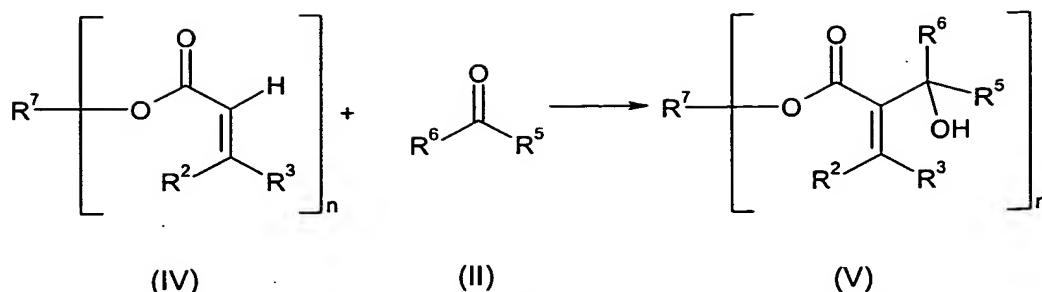
- at least one compound (B) containing at least one hydroxy ($-OH$)-reactive group.

6. A method of coating substrates, wherein a coating composition according to any one of claims 3 to 5 is used.

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7. A substrate coated with a coating composition according to any one of claims 3 to 5.

8. A process for preparing a compound of the formula (V)



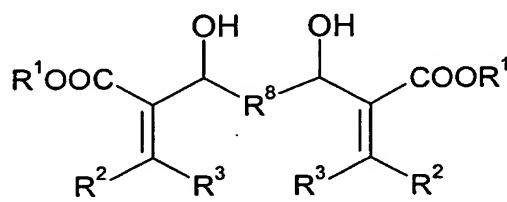
as defined in claim 1, it being possible for n to be additionally 2, wherein the compound (II) is an aldehyde $\text{R}^5\text{-CHO}$ and is used in free form so that in formal of the formula $(\text{R}^5\text{-CHO})_w$, in which w is a positive integer, w is ≤ 20 .

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9. The use of α -(1'-hydroxyalkyl)acrylates in coating compositions for dual-cure applications.

10. The use of compounds of the formula (V) as defined in claim 8 or (VII)

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(VII)

in which R^2 and R^3 are as defined in claim 1,

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R^1 is $\text{C}_1\text{--C}_{18}$ alkyl, $\text{C}_2\text{--C}_{18}$ alkyl if appropriate interrupted by one or more oxygen and/or sulfur atoms and/or one or more substituted or unsubstituted imino groups, $\text{C}_2\text{--C}_{18}$ alkenyl, $\text{C}_6\text{--C}_{12}$ aryl, $\text{C}_5\text{--C}_{12}$ cycloalkyl or a five- to six-membered oxygen-, nitrogen- and/or sulfur-containing heterocycle, it being possible for each of the stated radicals to be substituted by aryl, alkyl, aryloxy, alkyloxy, heteroatoms and/or heterocycles, and

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R^8 is unsubstituted or halogen-, $\text{C}_1\text{--C}_8$ alkyl-, $\text{C}_2\text{--C}_8$ alkenyl-, carboxyl-, carboxy- $\text{C}_1\text{--C}_8$ alkyl-, $\text{C}_1\text{--C}_{20}$ acyl-, $\text{C}_1\text{--C}_8$ alkoxy-, $\text{C}_6\text{--C}_{12}$ aryl-, hydroxyl- or hydroxy-substituted $\text{C}_1\text{--C}_8$ alkyl-substituted $\text{C}_6\text{--C}_{12}$ arylene, $\text{C}_3\text{--C}_{12}$ cycloalkylene or $\text{C}_1\text{--C}_{20}$ alkylene or is $\text{C}_2\text{--C}_{20}$ alkylene interrupted by one or more oxygen and/or sulfur atoms and/or one or more substituted or unsubstituted imino groups and/or by one or more -(CO)- , -O(CO)O- , -(NH)(CO)O- , -O(CO)(NH)- , -O(CO)- or -(CO)O- groups or is a single bond

in radiation curing.